



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/920,323	08/02/2001	Joshua J.D. Martin	088305-0135	4997

7590 05/07/2004

William T. Ellis  
FOLEY & LARDNER  
Washington Harbour  
3000 K Street, N.W. Suite 500  
Washington, DC 20007-5109

EXAMINER

FISCHER, ANDREW J

ART UNIT	PAPER NUMBER
----------	--------------

3627

DATE MAILED: 05/07/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/920,323

Applicant(s)

MARTIN ET AL.

Examiner

Andrew J. Fischer

Art Unit

3627

MLW

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 05 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) 7-10, 17-20, 22 and 23 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6, 11-16 and 21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 4.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

DETAILED ACTION

*Acknowledgements*

1. Applicants' election of Group I (claims 1-6, 11-16, and 21) in Paper No. 7 is acknowledged. Because Applicants did not distinctly and specifically point out the supposed errors in the restriction requirement, the Election has been treated as an election without traverse. See MPEP §818.03(a).
2. Claims 7-10, 17-20, 22, and 23 are withdrawn from further consideration pursuant to 37 C.F.R. §1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in Paper No. 7.
3. This Office Action is written in OACS. Because of this, the Examiner is unable to control formatting, paragraph numbering, font, spelling, line spacing, and/or other word processing issues. The Examiner sincerely apologizes for these errors.

*Claim Rejections - 35 USC §101*

4. 35 U.S.C. §101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.
5. Claims 11-16 are rejected under 35 U.S.C. §101 because the claimed invention is directed to non-statutory subject matter. The claims are directed to neither a "process" nor a "machine," but rather embraces or overlaps two different statutory classes of invention. See MPEP §2173.05(p) II or *Ex Parte Lyell*, 17 USPQ2d 1548 (B.P.A.I., 1990).

Art Unit: 3627

6. Claims 11-16 are alternatively rejected under 35 U.S.C. §101 because the claimed invention is directed to non-statutory subject matter. The basis of this rejection is set forth in a two-prong test of:

- (1) whether the invention is within the technological arts; and
- (2) whether the invention produces a useful, concrete, and tangible result.

7. For a claimed invention to be statutory, the claimed invention must be within the technological arts. See *In re Musgrave*, 431 F.2d 882, 167 USPQ 280, 289-90 (C.C.P.A. 1970); and *In re Johnston*, 502 F.2d 765, 183 USPQ 172, 177 (C.C.P.A. 1974). Mere abstract ideas (*i.e.*, laws of nature, natural phenomena) that do not apply, involve, use, or advance the technological arts fail to promote the “progress of science and the useful arts”<sup>1</sup> and are therefore non-statutory subject matter.<sup>2</sup>

8. Claims 11-16 are again rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The claims do not produce a “useful, concrete, tangible result.” *AT&T Corp. v. Excel Communications, Inc.*, 172 F.3d 1352, 1358, 50 USPQ2d 1447, 1453 (Fed. Cir. 1999); *In re Warmerdam*, 33 F3d 1354, 31 USPQ2d 1754 (Fed Cir 1994).<sup>3</sup>

---

<sup>1</sup> It is the Examiner’s position that “technological arts” is synonymous with “useful arts” as stated in the U.S. Constitution, Art. I, §8. See *In re Waldbaum*, 457 F.2d 997, 173 USPQ 430, 434 (C.C.P.A. 1972).

<sup>2</sup> *E.g.*, the physical sciences: statutory; *c.f.*, social sciences: non-statutory

<sup>3</sup> To help understand the USPTO’s position on §101 issues, see USPTO’s “35 U.S.C. 101 Training Materials” available at <http://www.uspto.gov/web/menu/pbmethod>.

***Claim Rejections - 35 USC §112 2<sup>nd</sup> Paragraph***

9. The following is a quotation of the 2<sup>nd</sup> paragraph of 35 U.S.C. §112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

10. Claims 1-6, and 11-16 are rejected under 35 U.S.C. §112, 2<sup>nd</sup> paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The claims are replete with errors. Some examples follow.

a. In claims 1 and 11, the phrase “copy of the auction” is unclear. In particular, it is not known if the auction itself is copied or a representation of the auction. Moreover, it is not known if it is the entire auction or a subset of the auction that is copied.

b. Regarding claim 2, it is unclear if the “determining step” is in addition to or in place of the “determining step” in claim 1.

c. Claim 2 recites the limitation “the auction server side” in lines 2 and 3. There is insufficient antecedent basis for this limitation in the claim.

d. The scope of claim 11 is unclear because it is not known if the product occurs on a single computer or at least two computers.

11. The Examiner finds that because the claims are indefinite under 35 U.S.C. §112 2<sup>nd</sup> paragraph, it is impossible to properly construe claim scope at this time. See *Honeywell International Inc. v. ITC*, 68 USPQ2d 1023, 1030 (Fed. Cir. 2003) (“Because the claims are indefinite, the claims, by definition, cannot be construed.”). However, in accordance with MPEP §2173.06 and the USPTO’s policy of trying to advance prosecution by providing art rejections even though these claim are indefinite, the claims are construed and the art is applied *as much as practically possible*.

Art Unit: 3627

*Claim Rejections - 35 USC §102*

12. The following is a quotation of the appropriate paragraphs of 35 U.S.C. §102 that form the basis for the rejections under this section made in this Office Action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

13. Claim 1-6, 11-16, and 21, as understood by the Examiner, are rejected under 35

U.S.C. §102(e) as being anticipated by Alaia et. al. (U.S. 6,199,050 B1)(“Alaia ‘050”). Alaia

‘050 discloses determining that an auction parameter has been changed (the winning bid being

the highest price); automatically refreshing a copy of the auction at a browser (the users are

automatically sent updates reflecting the current bid information); the winning bid indicator is set

in the server.

14. Claim 1-6, 11-16, and 21, as understood by the Examiner, are rejected under 35

U.S.C. §102(b) as being clearly anticipated by Brett et. al. (U.S. 6,023,685)(“Brett ‘685”).

15. After careful review of the specification and prosecution history, the Examiner is

unaware of any desire—either expressly or implicitly—by Applicants to be their own

lexicographer and to define a claim term to have a meaning other than its ordinary and

accustomed meaning. Therefore, the Examiner starts with the heavy presumption that all claim

limitations are given their ordinary and accustomed meaning. See *Bell Atlantic Network Services*

*Inc. v. Covad Communications Group Inc.*, 262 F.3d 1258, 1268, 59 USPQ2d 1865, 1870 (Fed.

Art Unit: 3627

Cir. 2001) (“[T]here is a heavy presumption in favor of the ordinary meaning of claim language as understood by one of ordinary skill in the art.”); *CCS Fitness Inc. v. Brunswick Corp.*, 288 F.3d 1359, 1366, 62 USPQ2d 1658, 1662 (Fed. Cir. 2002) (There is a “heavy presumption that a claim term carries its ordinary and customary meaning.”). See also MPEP §2111.01 and *In re Zletz*, 893 F.2d 319, 321, 13 USPQ2d 1320, 1322 (Fed. Cir. 1989).<sup>4</sup>

In accordance with the ordinary and accustomed meaning presumption, during examination the claims are interpreted with their “broadest reasonable interpretation . . .” *In re Morris*, 127 F.3d 1048, 1054, 44 USPQ2d 1023, 1027 (Fed. Cir. 1997). See also MPEP §2111.

However, if Applicants disagree with the Examiner and have either (a) already used lexicography or (b) wish to use lexicography and therefore (under either (a) or (b)) desire a claim limitation to have a meaning other than its ordinary and accustomed meaning, the Examiner respectfully requests Applicants in their next response to expressly indicate<sup>5</sup> the claim limitation at issue and to show where in the specification or prosecution history the limitation is defined.

Such definitions must be clearly stated in the specification or file history. *Bell Atlantic*, 262 F.3d at 1268, 59 USPQ2d at 1870, (“[I]n redefining the meaning of particular claim terms away from

---

<sup>4</sup> It is the Examiner's position that “plain meaning” and “ordinary and accustomed meaning” are synonymous. See e.g. *Rexnord Corp. v. Laitram Corp.*, 274 F.3d 1336, 1342, 60 USPQ2d 1851, 1854 (Fed. Cir. 2001) (“[A]ll terms in a patent claim are to be given their plain, ordinary and accustomed meaning . . .”).

<sup>5</sup> “Absent an *express intent* to impart a novel meaning, terms in a claim are to be given their ordinary and accustomed meaning. [Emphasis added.]” *Wenger Manufacturing Inc. v. Coating Mach. Sys., Inc.*, 239 F.3d 1225, 1232, 57 USPQ2d 1679, 1684 (Fed. Cir. 2001) (citations and quotations omitted). “In the absence of an *express intent* to impart a novel meaning to claim terms, an inventor's claim terms take on their ordinary meaning. We indulge a heavy presumption that a claim term carries its ordinary and customary meaning. [Emphasis added.]” *Teleflex Inc. v. Ficosa North America Corp.*, 299 F.3d 1313, 1325, 63 USPQ2d 1374, 1380 (Fed. Cir. 2002) (citations and quotations omitted).

Art Unit: 3627

the ordinary meaning, the intrinsic evidence must 'clearly set forth' or 'clearly redefine' a claim term so as to put one reasonably skilled in the art on notice that the patentee intended to so redefine the claim term").<sup>6</sup> The Examiner cautions that no new matter is allowed.

Applicants are reminded that failure by Applicants in their next response to properly traverse this issue in accordance with 37 C.F.R. §1.111(b) or to be non-responsive to this issue entirely will be considered a desire by Applicants to forgo lexicography in this application and to continue having the claims interpreted with their broadest reasonable interpretation.<sup>7</sup>

Additionally, it is the Examiner's position that the above requirements are reasonable.<sup>8</sup> Unless expressly noted otherwise by the Examiner, the preceding discussion on claim interpretation principles applies to all examined claims currently pending.

---

<sup>6</sup> See also *Vitronics Corp. v. Conceptronic, Inc.*, 90 F.3d 1576, 1582, 39 USPQ2d 1573, 1576 (Fed. Cir. 1996), ("[A] patentee may choose to be his own lexicographer and use terms in a manner other than their ordinary meaning, *as long as* the special definition of the term is *clearly stated* in the patent specification or file history. [Emphasis added.]"); *Multiform Desiccants Inc. v. Medzam Ltd.*, 133 F.3d 1473, 1477, 45 USPQ2d 1429, 1432 (Fed. Cir. 1998) ("Such special meaning, however, must be sufficiently clear in the specification that any departure from common usage would be so understood by a person of experience in the field of the invention."). See also MPEP §2111.01, subsection titled "Applicant May Be Own Lexicographer" and MPEP §2173.05(a) titled "New Terminology."

<sup>7</sup> See 37 C.F.R. §1.104(c)(3) which states in part: "the examiner may rely upon admissions by applicant . . . as to *any matter* affecting patentability . . . . [Emphasis added.]"

<sup>8</sup> The Examiner's requirements on this matter are reasonable on at least two separate and independent grounds. First, the Examiner's requirements are simply an express request for clarification of how Applicants intend their claims to be interpreted so that lexicography (or even an *attempt* at lexicography) by Applicants is not inadvertently overlooked by the Examiner. Second, the requirements are reasonable in view of the USPTO's goals of compact prosecution, productivity with particular emphasis on reductions in both pendency and cycle time, and other goals as outlined in the USPTO's The 21<sup>st</sup> Century Strategic Plan, February 3, 2003 available at [www.uspto.gov/web/offices/com/strat21/index.htm](http://www.uspto.gov/web/offices/com/strat21/index.htm) (last accessed May 5, 2004).



Art Unit: 3627

16. To the extent that the Examiner's interpretations are in dispute with Applicants' interpretations, the Examiner hereby adopts the following definitions—under the broadest reasonable interpretation standard—in all his claim interpretations.<sup>9</sup> Moreover, while the following list is provided in accordance with *In re Morris*, the definitions are a guide to claim terminology since claim terms must be interpreted in context of the surrounding claim language.<sup>10</sup> Finally, the following list is not intended to be exhaustive in any way:

**Server:** “2. On the Internet or other network, a computer or program that responds to commands from a client.” Computer Dictionary, 3rd Edition, Microsoft Press, Redmond, WA, 1997.<sup>11</sup> **Client:** “3. On a local area network or Internet, a computer that accesses shared network resources provided by another computer (called a server).” *Id.* **Computer:** “Any machine that does three things: accepts structured input, processes it according to prescribed rules, and produces the results as output.” *Id.*

---

<sup>9</sup> While most definition(s) are cited because these terms are found in the claims, the Examiner may have provided additional definition(s) to help interpret words, phrases, or concepts found in the definitions themselves or in the prior art.

<sup>10</sup> See e.g. *Brookhill-Wilk 1 LLC v. Intuitive Surgical Inc.*, 334 F.3d 1294, 1300, 67 USPQ2d 1132, 1137 (Fed. Cir. 2003) (abstract dictionary definitions are not alone determinative; “resort must always be made to the surrounding text of the claims in question”).

<sup>11</sup> Based upon Applicants' disclosure, the art of record, and the knowledge of one of ordinary skill in this art as determined by the factors discussed in MPEP §2141.03 (where practical), the Examiner finds that the *Microsoft Press Computer Dictionary* is an appropriate technical dictionary known to be used by one of ordinary skill in this art. See e.g. *Altiris Inc. v. Symantec Corp.*, 318 F.3d 1363, 1373, 65 USPQ2d 1865, 1872 (Fed. Cir. 2003) where the Federal Circuit used the *Microsoft Press Computer Dictionary* (3d ed.) as “a technical dictionary” to define the term “flag.” See also *In re Barr*, 444 F.2d 588, 170 USPQ 330 (CCPA 1971)(noting that its appropriate to use technical dictionaries in order to ascertain the meaning of a term of art) and MPEP §2173.05(a) titled ‘New Terminology.’

Art Unit: 3627

17. Functional recitation(s) using the word “for” or other functional terms (e.g. “for refreshing an on-going electronic auction” as recited in claim 1) in claims 1-6 have been considered but given less patentable weight<sup>12</sup> because they fail to add any steps and are thereby regarded as intended use language. A recitation of the intended use of the claimed invention must result in additional steps. See *Bristol-Myers Squibb Co. v. Ben Venue Laboratories, Inc.*, 246 F.3d 1368, 1375-76, 58 USPQ2d 1508, 1513 (Fed. Cir. 2001) (Where the language in a method claim states only a purpose and intended result, the expression does not result in a manipulative difference in the steps of the claim.).

### ***Conclusion***

18. The following references are considered pertinent to Applicants’ disclosure: US 6704713 B1, Brett, Kenton F.; US 6629082 B1, Hambrecht, William R. et al.; US 6609112 B1, Boarman, Rick et al.; and US 6366891 B1 Feinberg, Donald A.

19. The following two (2) citations to the Manual of Patent Examining Procedure (“MPEP”) apply to this Office Action: MPEP citations to Chapters 200, 700, 1800, and 2100 are from the MPEP 8<sup>th</sup> Edition, Rev 1, February 2003. All remaining MPEP citations are from MPEP 8<sup>th</sup> Edition, August 2001.

20. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

---

<sup>12</sup> See e.g. *In re Gulack*, 703 F.2d 1381, 217 USPQ 401, 404 (Fed. Cir. 1983)(stating that

Art Unit: 3627

system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

21. In accordance with *In re Lee*, 277 F.3d 1338, 1344-45, 61 USPQ2d 1430, 1434-35 (Fed. Cir. 2002), the Examiner finds that the references How Computers Work Millennium Ed. by Ron White; How Networks Work, Millennium Ed. by Frank J. Derfler et. al.; and How the Internet Works, Millennium Ed. by Preston Gralla are additional evidence of what is basic knowledge or common sense to one of ordinary skill in this art. Each reference is cited in its entirety.

Moreover, because these three references are directed towards beginners (see e.g. "User Level Beginning . . ."), because of the references' basic content (which is self-evident upon review of the references), and after further review of the entire application and all the art now of record in conjunction with the factors as discussed in MPEP §2141.03 (where practical), the Examiner finds that these three references are primarily directed towards those of low skill in this art. Because these three references are directed towards those of low skill in this art, the Examiner finds that one of ordinary skill in this art must—at the very least—be aware of and understand the knowledge and information contained within these three references.

22. In accordance with the USPTO's goals of customer service, compact prosecution, and reduction of cycle time, the Examiner has made every effort to clarify his position regarding claim interpretation and any rejections or objections in this application. Furthermore, the Examiner has provided Applicants with notice—for due process purposes—of his position regarding his factual determinations and legal conclusions. If Applicants disagree with any factual determination or legal conclusion made by the Examiner in this Office Action whether

---

although all limitations must be considered, not all limitations are entitled to patentable weight).

Art Unit: 3627

expressly stated or implied,<sup>13</sup> the Examiner respectfully reminds Applicants to properly traverse the Examiner's position(s) in accordance with 37 C.F.R. §1.111(b) in their next response. By addressing these issues now, matters where the Examiner and Applicants agree can be eliminated allowing the Examiner and Applicants to focus on areas of disagreement (if any) with the goal towards allowance in the shortest possible time. If Applicants have any questions regarding the Examiner's positions or have other questions regarding this communication or even previous communications, Applicants are strongly encouraged to contact Examiner Andrew J. Fischer whose telephone number is (703) 305-0292. If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's immediate supervisor, Robert Olszewski, can be reached at (703) 308-5183. To respond to this Office Action by facsimile, fax to (703) 872-9306.



Andrew J. Fischer  
Patent Examiner  
Art Unit 3627

AJF  
May 5, 2004

---

<sup>13</sup> *E.g.*, if the Examiner rejected a claim under §103 with two references, although not directly stated, it is the Examiner's implied position that the references are analogous art.